

Watertown City Council

May 9, 2023

Agenda Item:	Riverpoint & Kings Highland Pond Repair, Forest Hills Draintile
Request for Action:	Motion Authorize Preparation of Final Plans & Specifications and Acquiring Quotes
Employee/Dept.:	Andrew Budde, City Engineer

Background: The Carver County Watershed Management Organization (CCWMO) has authority within the watershed to ensure that storm water infrastructure is meeting their permitting requirements, or the requirements at the time the infrastructure was built. The CCWMO performs period checks on infrastructure and over the last several years they have identified two ponds within Watertown that need some maintenance or adjustments because they are not functioning as originally intended.

Riverpoint Pond was built in 2005 and was one of the earlier ponds to be constructed with infiltration and needs two adjustments that staff is aware of: 1) The outlet pipe below the infiltration area was connected to the wrong side of the weir in the outlet control structure, 2) The PVC cleanouts are broken off and do not extend far enough up the slope of the pond so that they can be accessed for inspection during times of high water.

Kings Highland Pond was also built in 2005 and the infiltration is no longer working as intended. The original design provided for a riprap berm between the inflow water and the infiltration media. City staff pumped down the pond in 2022 and identified that the riprap berm was never constructed as intended. In addition, more reliable design and construction would not utilize riprap as it has too many voids and would allow excess silt to access the infiltration media and therefore prematurely clog it.

The Forest Hills Draintile is an area surrounded by homes that front on Poplar Lane, Bur Oak Ln, Aspen Circle, and Butternut Lane that have experienced prolonged wet areas in the rear of lots due to water weeping out of the hillside. The staff has received complaints and met with many property owners over the years and have not been able to find a definitive source of the weeping water and have not been able to provide a solution to individual property owners. Therefore, staff believe it is in the best interests of the surrounding residents and the city for the city to take the lead and install a draintile system in the existing rear lots that will connect with the city storm sewer system.

All projects combined are anticipated to be under \$175,000 in construction costs and therefore can be quoted and does not need to be publicly bid. If authorized, staff would have plans completed by the middle of June, solicit quotes in late June, and be ready to approve a low quote in July. It is anticipated that the best time to complete this work is in late summer/fall when it is anticipated to be dry. It is also anticipated that the city may need to acquire several Right of Entry agreements to be able to gain adequate access to the Forest Hills area.

Budget Impact: It is anticipated that the total project costs would be under \$130,000. A better understanding will be known as staff advances the final design of the projects and will update council if it is project to be above the CIP budget amounts.

Funding Source: The Capital Improvement Plan identifies the following:

- Filtration Basin Riverpoint (UC057) for \$50,000
- Pond/Storm Sewer Maintenance (UC063) for \$40,000. This item could be used to fund the Kings Highland Pond
- Forest Hills Drainage Issue (UC064) for \$40,000

Recommendation: Staff recommends council authorize preparation of final plans & specifications for the Riverpoint Pond, Kings Highland Pond, and Forest Hills Draintile and allow staff to solicit quotes.

Motion Type:

Simple majority vote of members present.

Requested Action/Motion:

"I move to authorize the preparation of final plans and specifications for the Riverpoint Pond, Kings Highland Pond, and Forest Hills Draintile and allow staff to solicit quotes."

Attachments:

Overview Maps